

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|---------------------|
| L1 | 36 | ("20010030710" "20020069263" "3732536" "4425642" "5301167" "5305348" "5319735" "5353352" "5442343" "5446756" "5519779" "5555258" "5574773" "5604767" "5657379" "5734639" "5822360" "5918223" "5945932" "5978413" "5999899" "6035177" "6061793" "6125172" "6298322" "6434253" "6438117" "6442283" "6584138" "6650877" "6708214" "6782253" "6832093" "6892175" "7031271" "7158676").PN. | US-PGPUB; USPAT | OR | OFF | 2008/07/29 10:16 |
| L2 | 1 | ("5937000").PN. | US-PGPUB; USPAT | OR | OFF | 2008/07/29 10:28 |
| S1 | 19 | "direct sequence spread spectrum encoding" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 10:15 |
| S2 | 9 | "direct sequence spread spectrum encoding" and @ad<"19990730" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/01 11:23 |
| S3 | 6 | ((("20040052301") or ("5101406") or ("5809060"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 11:25 |
| S4 | 0 | (combine join add mix) near (spread adj signal) near ((audio voice music sound) adj signal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 11:26 |
| S5 | 0 | (combine join add mix) near (spread adj signal) near (audio voice music sound) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 11:26 |
| S6 | 0 | (combine join add mix overlay) near (spread adj signal) near (audio voice music sound) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 11:26 |
| S7 | 0 | (combine join add mix overlay superimpose) near (spread adj signal) near (audio voice music sound) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 11:27 |

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| S8 | 0 | (combine join add mix overlay superimpose) near (spread adj signal) same (audio voice music sound) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 11:27 |
| S9 | 5 | (combine join add mix overlay superimpose) near (spread adj signal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 13:50 |
| S10 | 1318 | spread adj signal and chip | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 14:00 |
| S11 | 559 | spread adj signal and chip adj rate | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 13:51 |
| S12 | 24 | spread adj signal and chip and ("12 bit" "twelve bit" "12-bit" "tweleve-bit") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 13:56 |
| S13 | 1957954 | WO 98/32248 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 13:56 |
| S14 | 0 | WO98/32248 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 13:56 |
| S15 | 0 | 98/32248 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 13:56 |
| S16 | 137 | "32248" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 13:57 |
| S17 | 10 | barclay-michael.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 13:59 |
| S18 | 2 | ("5539705").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 13:59 |

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| S19 | 56 | spread adj signal and chip and "4095" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 14:00 |
| S20 | 5 | spread adj signal and "4095" adj chip! | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 14:22 |
| S21 | 0 | (second 2nd) adj ("pseudo-code" "pseudo code") near orthogonal and spread adj signal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 14:23 |
| S22 | 0 | ((second 2nd) adj ("pseudo-code" "pseudo code") near orthogonal) and spread adj signal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 14:24 |
| S23 | 0 | ((second 2nd) adj ("pseudo-code" "pseudo code") near orthogonal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 14:24 |
| S24 | 0 | ((second 2nd) adj ("pseudo-code" "pseudo code") same orthogonal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 14:24 |
| S25 | 0 | (second 2nd) adj ("pseudo-code" "pseudo code") same (opposite orthogonal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 14:24 |
| S26 | 14 | (second 2nd) near (spread adj signal) same (opposite orthogonal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/11 14:25 |
| S27 | 1792 | "direct sequence spread spectrum" and @ad<"19990730" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/01 11:23 |
| S28 | 373 | "direct sequence spread spectrum" and (audio music sound) and @ad<"19990730" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/01 11:23 |
| S29 | 45 | "direct sequence spread spectrum" and (audio music sound) and "spread signal" and @ad<"19990730" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/01 11:23 |

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| S30 | 45 | "direct sequence spread spectrum" and (audio music sound) and "spread signal" and @ad<"1990730" | US-PGPUB; USPAT | OR | OFF | 2005/06/01 11:25 |
| S31 | 14 | "direct sequence spread spectrum" and (audio music sound) and (speaker reproduction) and "spread signal" and @ad<"1990730" | US-PGPUB; USPAT | OR | OFF | 2005/06/01 11:25 |
| S32 | 19 | ("5029185" "5278863" "5319673" "5485485" "5572332" "5592471" "5794138" "5838669" "5926510" "5930706" "6035433" "6044166" "6064441" "6128330" "6144707" "6198748" "6282412" "6333926" "6549241").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/06/01 11:38 |
| S33 | 2 | ((("6728202" or ("6370666")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/06/01 11:49 |
| S34 | 30 | ((("5,539,705") or ("5,412,620") or ("5,136,613") or ("2,660,662") or ("3,651,471") or ("3,732,536") or ("3,742,463") or ("3,845,391") or ("4,025,851") or ("4,237,449") or ("4,514,725") or ("4,642,685") or ("4,718,106") or ("4,750,034") or ("4,807,031") or ("4,846,693") or ("4,923,428") or ("4,945,412") or ("5,108,341") or ("5,113,437") or ("5,191,615") or ("5,412,620") or ("5,436,941") or ("5,450,490") or ("5,479,442") or ("5,499,265") or ("5,579,124") or ("5,687,191") or ("5,719,937") or ("5,774,452") or ("5,822,360") or ("5,828,325") or ("5,848,155") or ("5,930,369") or ("5,960,398") or ("5,963,909")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/06/01 11:51 |
| S35 | 0 | vibrating adj (media audio sound music) adj player | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 08:07 |
| S36 | 2 | vibrating adj player | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 08:07 |
| S37 | 0 | movment with (music audio sound voice) adj player | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 08:10 |
| S38 | 9 | vibrating adj alert with (music sound audio) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 08:10 |

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|-----|------|---|---|----|-----|---------------------|
| S39 | 2 | vibrating adj alert with (music sound audio) and @ad<"19990730" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 10:22 |
| S40 | 82 | vibrating adj alert and @ad<"19990730" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 10:22 |
| S41 | 72 | vibrating adj alert and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/06/02 10:25 |
| S42 | 2 | moving adj animal same (audio music sound) and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/06/02 10:41 |
| S43 | 7 | (audio sound music) near (activated responsive) near (toy) and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/06/02 11:21 |
| S44 | 146 | (hiding masking) with data with (audio sound music) and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/06/02 11:40 |
| S45 | 0 | ("wo973331").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 11:40 |
| S46 | 0 | wo973331 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 11:40 |
| S47 | 0 | wo9733391 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 11:40 |
| S48 | 6 | "9733391" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 11:54 |
| S49 | 147 | "5450490" | US-PGPUB; USPAT | OR | OFF | 2005/06/02 11:54 |
| S50 | 4 | ((("5450490") or ("5473631"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/02 11:56 |
| S51 | 9 | ("3885217" "4980917" "5212551" "5293369" "5319735" "5384856" "5450490" "5450494" "5473631").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/06/02 13:33 |
| S52 | 2689 | ((375/146,150,238) or (700/94)).OCLS. | US-PGPUB; USPAT | OR | OFF | 2005/10/21 12:51 |
| S53 | 1126 | S52 and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/10/21 12:51 |

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| S54 | 1 | ("6850555").PN. | US-PGPUB; USPAT | OR | OFF | 2005/10/21 13:36 |
| S55 | 36 | ("2660662" "3651471" "3732536" "3742463" "3845391" "4025851" "4237449" "4514725" "4642685" "4718106" "4750034" "4807031" "4846693" "4923428" "4945412" "5108341" "5113437" "5136613" "5191615" "5412620" "5436941" "5450490" "5479442" "5499265" "5539705" "5579124" "5687191" "5719937" "5774452" "5822360" "5828325" "5848155" "5930369" "5960398" "5963909").FN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/21 12:57 |
| S56 | 1 | ("6850555").URPN. | USPAT | OR | OFF | 2005/10/21 13:00 |
| S57 | 433 | (375/141).CQLS. | US-PGPUB; USPAT | OR | OFF | 2005/10/21 13:00 |
| S58 | 226 | S57 and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/10/21 13:00 |
| S59 | 5 | "spread spectrum" with toy and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/10/21 13:20 |
| S60 | 16 | ("4679789" "4712184" "4840602" "4857030" "4923428" "5021878" "5109222" "5142803" "5191615" "5195920" "5270480" "5281143" "5289273" "5388493" "5479564" "5752880").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/21 13:17 |
| S61 | 355 | (446/175).CQLS. | US-PGPUB; USPAT | OR | OFF | 2005/10/21 13:20 |
| S62 | 4 | S61 and spread and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/10/21 13:20 |
| S63 | 26 | ("4679789" "4712184" "4840602" "4857030" "4923428" "5021878" "5109222" "5142803" "5191615" "5195920" "5270480" "5281143" "5289273" "5388493" "5479564" "5752880").PN. OR ("6290566"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/21 13:34 |
| S64 | 433 | (375/141).CQLS. | US-PGPUB; USPAT | OR | OFF | 2005/10/21 13:36 |
| S65 | 226 | S64 and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/10/21 13:36 |
| S66 | 1 | S65 and toy | US-PGPUB; USPAT | OR | OFF | 2005/10/21 13:36 |
| S67 | 32 | (control with toy) and "spread spectrum" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/21 13:45 |

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| S68 | 2 | "20040169581" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/21 13:46 |
| S69 | 1 | ("6737957").PN. | US-PGPUB; USPAT | OR | OFF | 2005/10/21 13:46 |
| S70 | 19 | ("4840602" "4972471" "5113437" "5191615" "5213337" "5270480" "5319735" "5581800" "5719619" "5752880" "5822360" "5822432" "5828325" "5832119" "5893067" "5905800" "5933798" "5940135" "5943422").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/21 13:46 |
| S71 | 1 | ("4,840,602").PN. | US-PGPUB; USPAT | OR | OFF | 2005/11/14 12:48 |
| S72 | 1 | "removable rom".ti. | US-PGPUB; USPAT | OR | OFF | 2005/11/14 12:48 |
| S73 | 0 | "detachable rom".ti. | US-PGPUB; USPAT | OR | OFF | 2005/11/14 12:48 |
| S74 | 17 | "detachable memory".ti. and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/11/14 12:49 |
| S75 | 1 | "removable memory" with toy and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2005/11/14 17:05 |
| S76 | 1 | ("5778187").PN. | US-PGPUB; USPAT | OR | OFF | 2005/11/14 17:05 |
| S77 | 1 | ("6850555").PN. | US-PGPUB; USPAT | OR | OFF | 2006/05/12 11:46 |
| S78 | 0 | spread adj spectrum with modulate with carrier with audible | US-PGPUB; USPAT | OR | OFF | 2006/05/12 11:47 |
| S79 | 284 | spread adj spectrum with modulate with carrier | US-PGPUB; USPAT | OR | OFF | 2006/05/12 11:48 |
| S80 | 668 | sl3 and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2006/05/12 11:48 |
| S81 | 6 | ((("20040052301") or ("5101406") or ("5809060")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/12 11:47 |
| S82 | 2 | S81 and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2006/05/12 11:47 |
| S83 | 125 | S79 and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2006/05/12 11:48 |
| S84 | 0 | spread adj spectrum with modulate with carrier with sound | US-PGPUB; USPAT | OR | OFF | 2006/05/12 11:48 |
| S85 | 19 | spread adj spectrum with modulate with carrier with audio | US-PGPUB; USPAT | OR | OFF | 2006/05/12 11:50 |
| S86 | 236 | spread adj spectrum with (acoustic audible sound audio) with modulat\$5 | US-PGPUB; USPAT | OR | OFF | 2006/05/12 11:51 |
| S87 | 70 | S86 and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2006/05/12 11:51 |
| S88 | 3 | ((("6581138") or ("5191615") or ("5150714")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/05/15 12:19 |

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| S89 | 195 | (spread adj spectrum) with (audio sound music) with (modulat\$4) | US-PGPUB; USPAT | OR | OFF | 2006/05/15 12:26 |
| S90 | 48 | S89 and @ad<"19990730" | US-PGPUB; USPAT | OR | OFF | 2006/05/15 12:26 |
| S91 | 24 | ("4425642" "4425661" "4807031" "4894789" "5121476" "5243423" "5490168" "5570295" "5579124" "5663766" "5671267" "5737026" "5761606" "5764763" "5774452").PN. OR ("6389055").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/15 12:29 |
| S92 | 40 | ("3900887" "4807031" "4839743" "4840602" "4846693" "4855827").PN. OR ("5191615"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/15 12:35 |
| S93 | 0 | S92 and "spread spectrum" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/15 12:35 |
| S94 | 7 | S92 and "spread spectrum" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/15 12:35 |
| S95 | 53 | ("20010032278" "4642710" "4670848" "4679789" "4712184" "4717364" "4752068" "4802879" "4840602" "4846693" "4857030" "4858930" "4923428" "4959037" "5021878" "5032099" "5109222" "5142803" "5191615" "5195920" "5209695" "5241142" "5270480" "5281143" "5289273" "5358259" "5369575" "5377103" "5386556" "5388493" "5390281" "5390282" "5395242" "5479564" "5581664" "5608624" "5615112" "5615304" "5636994" "5655945" "5656907" "5677835" "5694558" "5696884" "5727951" "5752880" "5779486" "6075195" "6134590" "6160986" "6206745" "6439956" "6663393").PN. OR ("6959166"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/15 12:39 |
| S96 | 1 | ("5822362").PN. | US-PGPUB; USPAT | OR | OFF | 2006/05/15 12:40 |
| S97 | 1 | ("5,085,610").PN. | US-PGPUB; USPAT | OR | OFF | 2006/05/15 13:26 |
| S98 | 14 | "446".clas. and "spread spectrum" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/26 10:51 |
| S99 | 3 | "interactive barney" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/26 10:52 |

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| S100 | 18 | ((("tv" television) with toy with interactive) and @ad<"20000731" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/26 10:56 |
| S101 | 4 | S100 and "spread spectrum" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/26 10:56 |
| S102 | 22 | ("3648959" "3993861" "4425642" "4475208" "4654700" "4821120" "4840602" "5073899" "5191615" "5663766" "5752880" "5812592" "5822360" "5864315" "5923516" "6009118" "6021432" "6290566" "6330335" "6353413" "6380844" "6389055").PN. OR ("6765950").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/26 10:59 |
| S103 | 13 | ("5452901" "5855483" "6012957" "6022273").PN. OR ("6380844"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/26 11:00 |
| S104 | 0 | ((cell mobile) adj phone) and (spread spectrum) near imperceptible | US-PGPUB; USPAT | OR | OFF | 2006/10/26 12:24 |
| S105 | 0 | ((cell mobile) adj phone) and (spread spectrum) near imperceptible | US-PGPUB; USPAT | OR | OFF | 2006/10/26 12:24 |
| S106 | 1 | ((cell mobile) adj phone) and (spread spectrum) with imperceptible | US-PGPUB; USPAT | OR | OFF | 2006/10/26 12:25 |
| S107 | 4 | (audio sound music voice) with data with imperceptible with "spread spectrum" | US-PGPUB; USPAT | OR | OFF | 2006/10/26 12:25 |
| S108 | 348 | (446/484).OCLS. | US-PGPUB; USPAT | OR | OFF | 2006/10/30 12:39 |
| S109 | 0 | ("11and@ad<20010525").PN. | US-PGPUB; USPAT | OR | OFF | 2006/10/30 12:39 |
| S110 | 180 | S108 and @ad<"20000731" | US-PGPUB; USPAT | OR | OFF | 2006/10/30 12:54 |
| S111 | 4 | ((("5,663,766") or ("6,021,432") or ("6,125,172") or ("6,035,177")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/01 12:01 |
| S112 | 1 | ("4251688").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/01 12:01 |
| S113 | 360140 | "446".clas. and spread spectrum | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:38 |
| S114 | 14 | "446".clas. and "spread spectrum" | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:39 |
| S115 | 187 | "446".clas. and acoustic | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:41 |
| S116 | 5 | "446".clas. and (embedded hidden imperceptible) adj data | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:43 |
| S117 | 52 | (toy doll) and (embedded hidden imperceptible) adj data | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:47 |

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| SI18 | 1 | ("5,940,135").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:49 |
| SI19 | 2 | ((("6,389,152") or ("6,061,793"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:50 |
| SI20 | 85 | spread with "first frequency" with "second frequency" | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:51 |
| SI21 | 59 | SI20 and @ad<"20010525" | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:50 |
| SI22 | 1 | spread with "first frequency" with "second frequency" with center\$3 | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:54 |
| SI23 | 102 | spread with acoustic with energy | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:54 |
| SI24 | 0 | spread with acoustic with energy with imperceptible | US-PGPUB; USPAT | OR | OFF | 2006/11/28 10:54 |
| SI25 | 69 | spread with acoustic with energy and @ad<"20010525" | US-PGPUB; USPAT | OR | OFF | 2006/11/28 11:02 |
| SI26 | 51 | spread near3 energy with (audio sound music) | US-PGPUB; USPAT | OR | OFF | 2006/11/28 11:08 |
| SI27 | 33 | SI26 and @ad<"20010525" | US-PGPUB; USPAT | OR | OFF | 2006/11/28 11:10 |
| SI28 | 1 | ("6737957").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/28 11:10 |
| SI29 | 88 | ("direct sequence spread spectrum" "dsss") with (audio sound music voice) | US-PGPUB; USPAT | OR | OFF | 2006/11/28 11:15 |
| SI30 | 38 | watermark with spread with (audio sound music voice) | US-PGPUB; USPAT | OR | OFF | 2006/11/28 11:15 |
| SI31 | 16 | SI30 and @ad<"20010525" | US-PGPUB; USPAT | OR | OFF | 2006/11/28 11:18 |
| SI32 | 24 | "spread spectrum" with imperceptible | US-PGPUB; USPAT | OR | OFF | 2006/11/28 11:18 |
| SI33 | 20 | SI32 and @ad<"20010525" | US-PGPUB; USPAT | OR | OFF | 2006/11/28 11:19 |
| SI34 | 5 | ("5428683" "5568570" "5757910" "5809139" "5889868").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/28 11:21 |
| SI35 | 22 | ("3684838" "3696298" "3735048" "3885217" "4379947" "4425642" "4425661" "4429404" "4581746" "4672605" "4688255" "4972471" "5079647" "5213337" "5285498" "5457807" "5473631" "5581800" "5630203" "5680179" "5754661" "5764763").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/28 11:21 |
| SI36 | 1 | ("6765950").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/29 13:48 |
| SI37 | 4 | ((("5663766") or ("6021432") or ("6125172") or ("6035177"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/29 13:49 |
| SI38 | 0 | "modulate onto carrier wave" | US-PGPUB; USPAT | OR | OFF | 2008/02/11 08:38 |
| SI39 | 13 | "periodic" and "spread spectrum" and hidden same "data signal" | US-PGPUB; USPAT | OR | OFF | 2008/02/11 08:39 |

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|------|------|--|---------------------------|----|-----|---------------------|
| SI40 | 1 | ("5,822,360").PN. | US-PGPUB; USPAT | OR | OFF | 2008/02/11 08:40 |
| SI41 | 77 | ("3845391" "4079419" "4313197" "4425661" "4534054" "4962535" "5113437" "5138661" "5319735" "5379345" "5404377" "5450490").PN. OR ("5822360").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 08:45 |
| SI42 | 12 | SI41 and periodic | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 08:46 |
| SI43 | 9 | "carrier wave" and "spread spectrum" and hidden same "data signal" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 08:48 |
| SI44 | 0 | "09856734" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 08:52 |
| SI45 | 8 | bartlett-david.in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 08:52 |
| SI46 | 0 | hommel-scott.in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 08:54 |
| SI47 | 5 | ("4176379" "4199788" "5502576" "5636292" "5893067").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:27 |
| SI48 | 39 | ("3845391" "4079419" "4313197" "4425661" "4534054" "4962535" "5113437" "5138661" "5319735" "5361276" "5379345" "5404377" "5414733" "5450490" "5481570" "5487087" "5521937" "5561687" "5568514" "5629929" "5694426" "5768307" "5937000"). PN. OR ("6154484").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:28 |
| SI49 | 1432 | ("dsss" or "direct sequence spread spectrum") and "carrier" and spread and modulat\$5 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:32 |
| SI50 | 170 | SI49 and (hidden imperceptible) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:33 |
| SI51 | 170 | SI49 and (hidden imperceptible) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:33 |
| SI52 | 43 | SI51 and @ad<"20000731" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:33 |
| SI53 | 5 | SI49 and (watermark "water mark") | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:35 |
| SI54 | 12 | ("dsss" or "direct sequence spread spectrum") and watermark\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:36 |
| SI55 | 0 | SI54 and @ad<"2000731" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:37 |
| SI56 | 1 | SI54 and @ad<"20000731" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:37 |
| SI57 | 297 | ("dsss" or "direct sequence spread spectrum") and (hidden or imperceptible) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:37 |
| SI58 | 423 | ("dsss" or "direct sequence spread spectrum") and (hidden or imperceptible) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:37 |

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| S159 | 3350 | ("dsss" or "direct sequence spread spectrum") and "carrier" and spread and modulats\$ | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:38 |
| S160 | 243 | S159 and (hidden imperceptible) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:38 |
| S161 | 74 | S160 and @ad<"20000731" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:38 |
| S162 | 44 | ("3845391" "4079419" "4313197" "4425661" "4534054" "5113437" "5319735" "5361276" "5379345" "5404377" "5414733" "5450490" "5481570" "5487087" "5561687" "5568514" "5694426").PN. OR ("5937000").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:53 |
| S163 | 4 | ("5319735" "5937000" "6061793" "6724805").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/11 10:54 |

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